

09/ 804744

Cofc



Docket No.: SONYTA 3.0-1255
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Letters Patent of:
Usui et al.

Patent No.: 7,106,821

Issued: September 12, 2006

For: DATA MODULATION METHOD, DATA
MODULATION DEVICE AND
COMMUNICATION DEVICE

Certificate
MAR 08 2007
of Correction

Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR CERTIFICATE OF CORRECTION PURSUANT TO 37 CFR 1.322

Dear Sir:

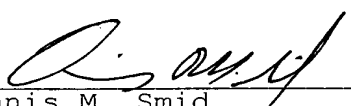
Enclosed herewith is a Certificate of Correction with respect to the above-identified U.S. Patent.

The corrections indicated should be made as the application originally filed does not contain such errors. We have attached a copy of the amended Abstract filed in a Preliminary Amendment on February 22, 2002. We believe there is no requirement for payment of a fee since the errors were made by the Patent Office. However, in the event that there are any fees due and owing, the Examiner is hereby authorized to charge Deposit Account No. 12-1095.

We look forward to early return of the Certificate of Correction duly certified.

Dated: March 1, 2007

Respectfully submitted,

By 
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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : 7,106,821
APPLICATION NO. : 09/804,744
ISSUE DATE : September 12, 2006
INVENTOR(S) : Takashi Usui, Ralf Boehnke, Thomas Doelle, and Tino Konschak

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The Abstract should read --A data modulation method and a data modulation device and a communication device are provided in which a reference symbol is optimized in order to contain the structure of "IA-A-IA-A-A-IA-A-IA-IA" and is allocated to sub-carriers of an OFDM symbol. More specifically, by designing the structure of a preamble of the time domain, distinction from other communication systems is achieved along with clock synchronization. Also, a series having a low peak average ratio and a dynamic range has been adopted for the sync symbol used in the OFDM. Since generation and detection processing can be conducted utilizing a generation device and a detection device of the sync preamble used in a conventional system, this system has an advantage in increasing the common use of an LSI chip. The sync series is divided into 2 parts, A and B, rather than to one B region and has a simple construction.--

Column 10, Line 39, "Flow" should read --F_{pow}--;

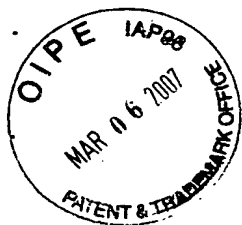
Column 13, Line 21, "TEEE802" should read --IEEE802--

737186_1.DOC

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7254/64037

be amended as follows.

IN THE ABSTRACT OF THE DISCLOSURE

Please amend the Abstract to read as follows:

--A data modulation method and a data modulation device and a communication device are provided in which a reference symbol is optimized in order to contain the structure of "IA-A-IA-A-A-IA-A-IA-IA" and is allocated to sub-carriers of an OFDM symbol. More specifically, by designing the structure of a preamble of the time domain, distinction from other communication systems is achieved along with clock synchronization. Also, a series having a low peak average ratio and a dynamic range has been adopted for the sync symbol used in the OFDM. Since generation and detection processing can be conducted utilizing a generation device and a detection device of the sync preamble used in a conventional system, this system has an advantage in increasing the common use of an LSI chip. The sync series is divided into 2 parts, A and B, rather than to one B region and has a simple construction.--

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